

Fig. 1

ATGCTCGTCGGCGGGCAGCCCTGGCATGGGTGTGCATGTGGGTGCAGCCC
TGGGAGCACTGTGGTTCTGCCTCACAGGAGCCCTGGAGGTCCAGGTCCCTGA
AGACCCAGTGGTGGCACTGGTGGCACCGATGCCACCCCTGTGCTGCTCCTCT
CCCCTGAGCCTGGCTTCAGCCTGGCACAGCTAACCTCATCTGGCAGCTGAC
AGATACCAAACAGCTGGTCACAGCTTGCTGAGGGCCAGGACCAGGGCAG
CGCCTATGCCAACCGCACGGCCCTTCCCAGCCTGTCAGGGCACAGGGCAAC
GCATCCCTGAGGCTGCAGCGCGTGCAGGGACGAGGGCAGCTTCACCT
GCTTCGTGAGCATCCGGGATTCCGGCAGCGCTGCCGTAGCCTGCAGGTGGC
CGCTCCCTACTCGAACGCCAGCATGACCCCTGGAGGCCAACAAAGGACCTGCGG
CCAGGGGACACGGTGACCATCACGTGCTCCAGCTACCGGGCTACCCCTGAGG
CTGAGGGTGTCTGGCAGGATGGCAGGGTGTGCCCCTGACTGGCAACGTGAC
CACGTCGCAGATGGCCAACGAGCAGGGCTTGTGATGTGCACAGCCTGCTG
CGGGTGGTGCTGGTGCAATGGCACCTACAGCTGCCCTGGTGCAGCCTATGAC
TGCTGCAGCAGGATGCGCACGGCTCTGTCACCATCACAGGGCAGCCTATGAC
ATTCCCCCCAGAGGCCCTGTGGGTGACCGTGGGCTGTCTGTCTCATTTG
CACTGCTGGTGGCCCTGGCTTCGTGTGCTGGAGAAAGATCAAACAGAGCTG
TGAGGAGGAGAATGCAGGAGCTGAGGACCAGGATGGGAGGGAGAAGGCTC
CAAGACAGCCCTGCAGCCTCTGAAACACTCTGACAGCAAAGAAGATGATGG
ACAAGAAATAGCCTGA

Fig. 2

ATGCTGCGTCGGCGGGCAGCCCTGGCATGGGTGTGCATGTGGGTGCAGCCC
TGGGAGCACTGTGGTCTGCCTCACAGGAGCCCTGGAGGTCCAGGTCCCTGA
AGACCCAGTGGTGGCACTGGTGGCACCGATGCCACCCCTGTGCTGCTCCTTCT
CCCCTGAGCCTGGCTTCAGCCTGGCACAGCTAACCTCATCTGGCAGCTGAC
AGATACCAAACAGCTGGTGCACAGCTTGCTGAGGGCCAGGACCAGGGCAG
CGCCTATGCCAACCGCACGGCCCTCTTCCCAGCTGCTGGCACAGGGCAAC
GCATCCCTGAGGCTGCAGCGTGCAGCGAGCTGGCGAGGGCAGCTTCACCT
GCTTCGTGAGCATCCGGATTTCGGCAGCGCTGCCGTAGCCTGCAGGTGGC
CGCTCCCTACTCGAACGCCAGCATGACCTGGAGCCAAACAAGGACCTGCGG
CCAGGGGACACGGTGACCATCACGTCCCCAGCTACCGGGCTACCGCTGAGG
CTGAGGTGTTCTGGCAGGATGGCAGGGTGTGCCCCCTGACTGGCAACGTGAC
CACGTCGCAGATGCCAACGAGCAGGGCTTGTGATGTGCACAGCGTCTG
CGGGTGGTGTGGTGCATGGCACCTACAGCTGCCCTGGTGCAGCAACCCCG
TGCTGCAGCAGGATGCGCACGGCTCTGTACCATCACAGGGCAGCCTATGAC
ATTCCCCCAGAGGCCCTGTGGGTGACCGTGGGCTGTCTGTCTCATGG
CACTGCTGGTGGCCCTGGCTTCGTGTGGAGAAAGATCAAACAGAGCTG
TGAGGAGGAGAATGCAGGAGCTGAGGACCAGGATGGGAGGGAGAAGGCTC
CAAGACAGCCCTGCAGCCTGTAAACACTGTACAGCAAAGAAGATGATGG
ACAAGAAATAGCCTGA

Fig. 3

MLRRRGSPGMGVHVGAAALGALWFCLTGALEVQVPEDPVVALVGTATLCCSF.
PEPGFSLAQLNLIWQLTDTKQLVHSFAEGQDQGSAYANRTALFPDLLAQGNASL
RLQRVRVADEGSFTCFVSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT
ITCSSYRGYPEAEVFWQDGQGVPLTGNVTTSQMANEQGLFDVHSVLRVVLGAN
GTYSCLVRNPVLQQDAHGSVTITGQPMTFPPEALWVTVGLSVCLIALLVALAFV
CWRKIKQSCEEENAGAEDQDGEGEGSKTALQPLKHSDSKEDDGQEIA

Fig. 4

MLRRRGSPGMGVGAALGALWFCLTGALEVQVPEDPVVALVGTATLCCSFS
PEPGFSLAQLNLIWQLTDKQLVHSFAEGQDQGSAYANRTALFPDLLAQGNASL
RLQRVRVADEGSFTCFVSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT
ITCPSYRGYYPEAEVFWQDGQGVPLGNVTTSQMANEQGLFDVHSVLRVVLGAN
GTYSCLVRNPVLQQDAHGSVTITGQPMTFPPEALWVTVGLSVCLIALVALAFV
CWRKIKQSCEEENAGAEDQDGEGEGSKTALQPLKHSDSKEDDGQEIA

Fig. 5A

signal peptide *IgV-like domain*
 MLRRGGSPGMGVHGAALGALWFCLTGALEVQVPEDPVVALVGTDATLCCSFSPPGFSLAQNLNLIWQLTDTKQLVHSFAEGQDQGSAY

ANRTALIEFPDLLAQQGNASLRLQQRVRADEGSFCTCFVSIRDFGSAAVSLQVAAI
IgC-like domain
 QDGQGVPLTGNVTTSQMANEQGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVTITGQPMTFPPEALWVTVGLSVCLIA
IC
 FVCWRKIKQSCEEEENAGAEDQDGEGEGSKTAQPLIKHSDSKEDDGQEIA

Fig. 5B

Fig. 6 A

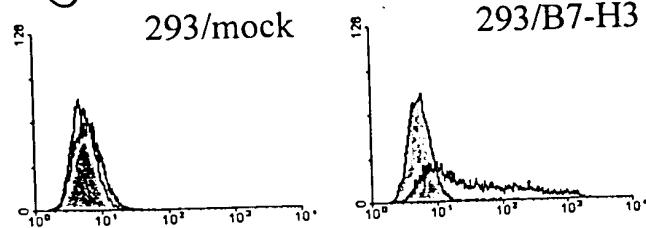


Fig. 6 B

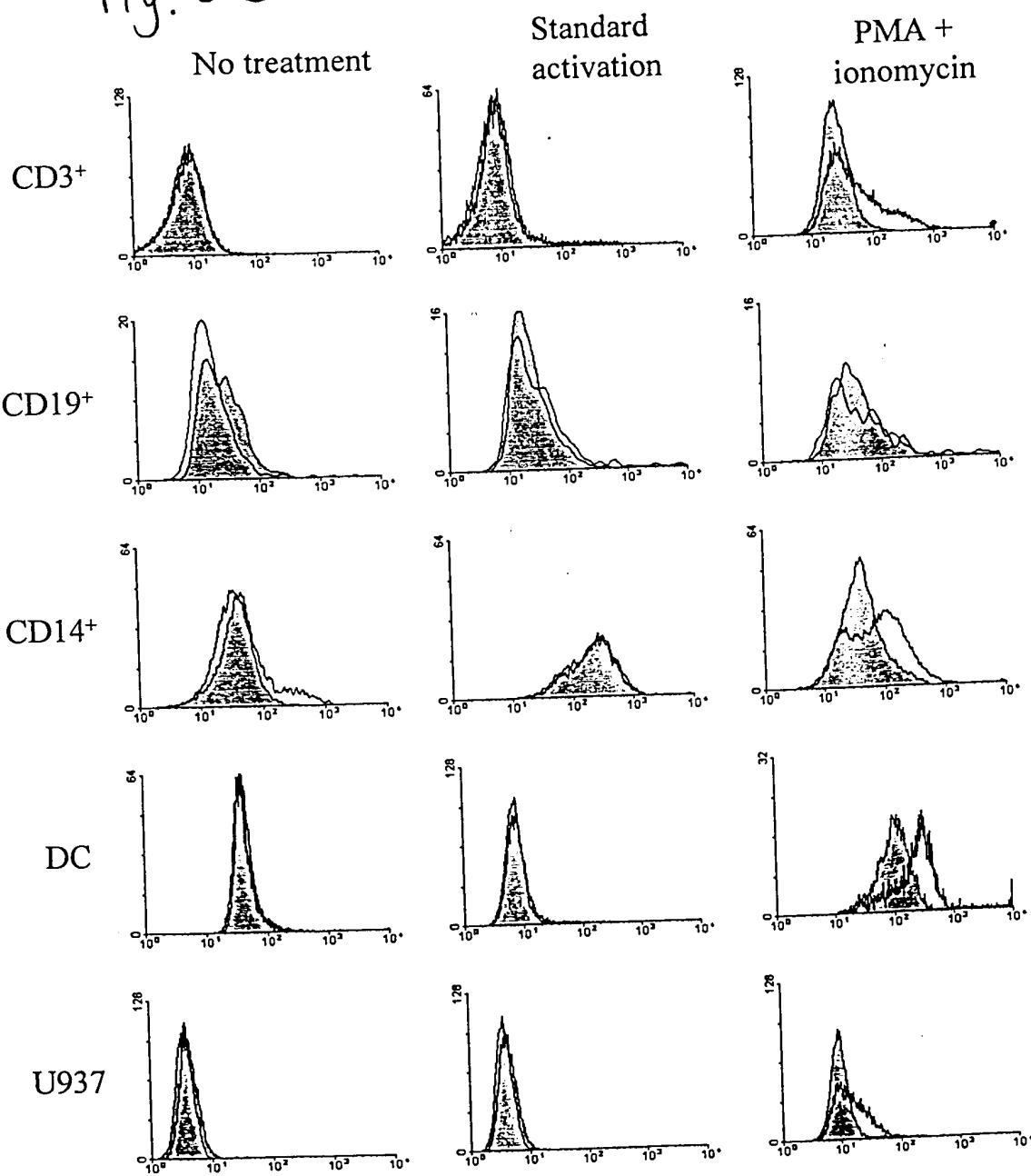


Fig. 7A

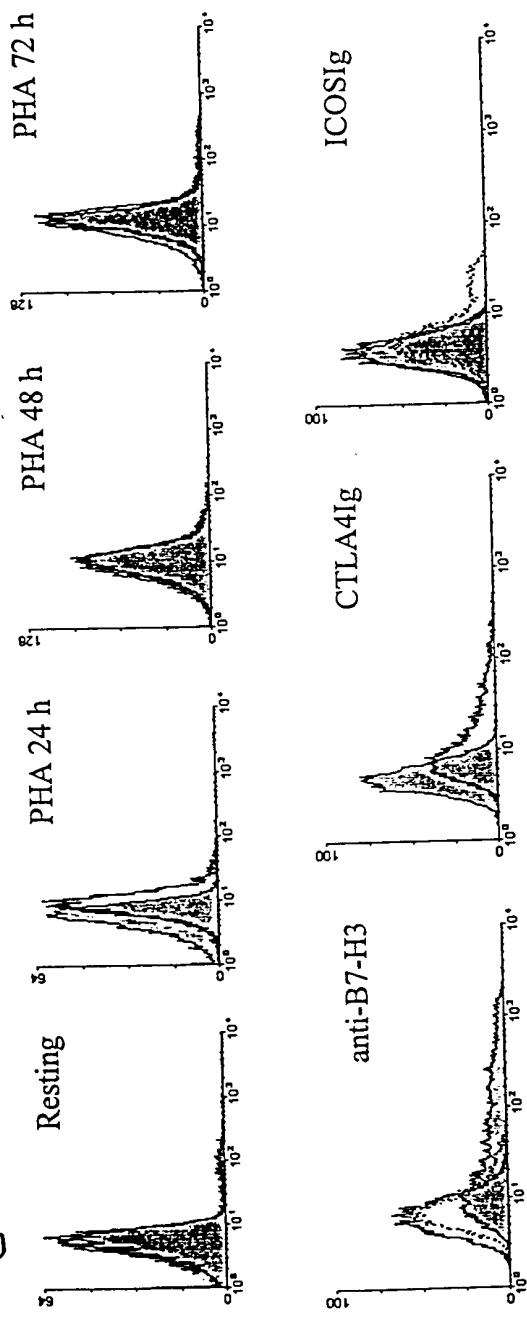


Fig. 7B

2

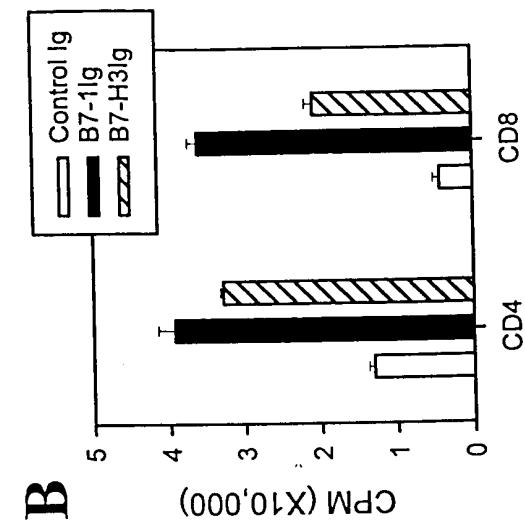
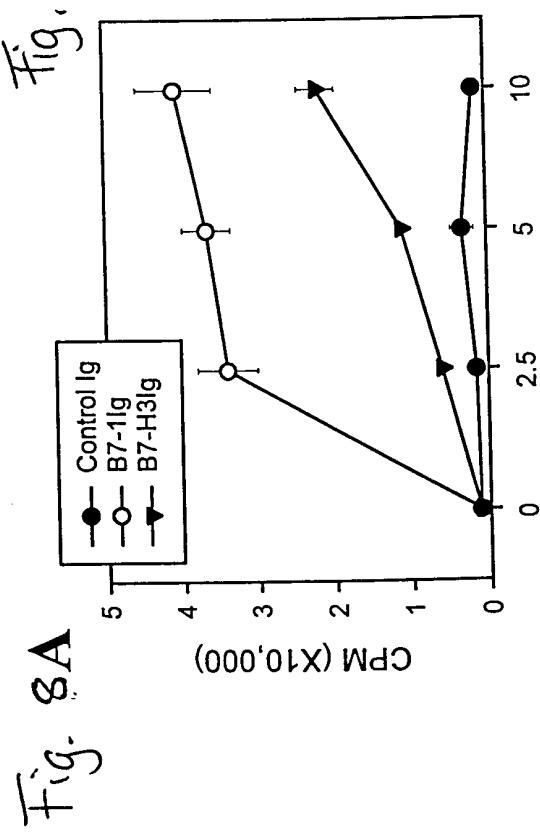


Fig. 8C

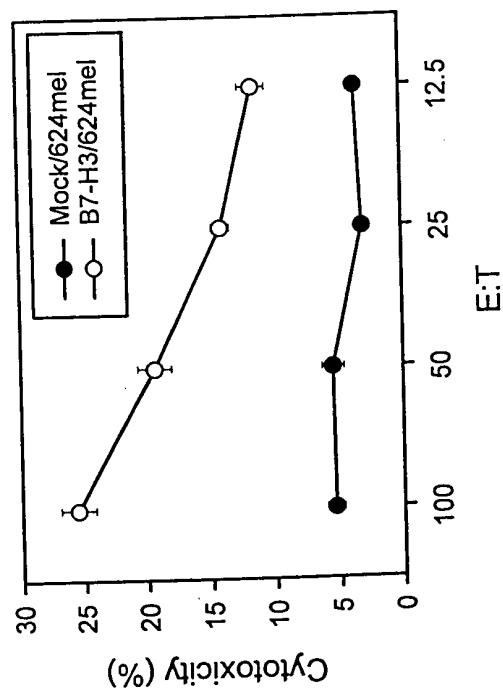


Fig. 9

ATGGCTCCCTGGGCAGATCCTCTGGAGCATAATTAGCATCATCATTAT
TCTGGCTGGAGCAATTGCACTCATCATTGGCTTGGTATTCAGGGAGACACT
CCATCACAGTCACTACTGTCGCCCTCAGCTGGGAACATTGGGAGGATGGAAT
CCTGAGCTGCACTTTGAACCTGACATCAAACCTTCTGATATCGTATACAAT
GGCTGAAGGAAGGTGTTTAGGCTTGGTCCATGAGTCAAAGAAGGCAAAGA
TGAGCTGTCGGAGCAGGATGAAATGTTAGGCTCAGAGGCCGGACAGCAGTGGT
GATCAAGTGATAGTTGGCAATGCCCTTTGCCGCTGAAAAACGTGCAACTCA
CAGATGCTGGCACCTACAAATGTTATATCATCACTCTAAAGGCAAGGGAA
TGCTAACCTTGAGTATAAAACTGGAGCCTCAGCATGCCGGAAGTGAATGTG
GACTATAATGCCAGCTCAGAGACCTTGCCTGAGGCTCCCCGATGGTCC
CCCAGCCCACAGTGGCTGGCATCCAAAGTGACCAGGGAGCCAACCTCTC
GGAAGTCTCCAATACCAGCTTGAGCTGAACCTGAGAATGTGACCATGAAG
GTTGTGCTGTGCTACAATGTTACGATCAACAAACACATACTCCTGTATGAT
TGAAAATGACATTGCCAAAGCAACAGGGGATATCAAAGTGACAGAATCGGA
GATCAAAAGGCGGAGTCACCTACAGCTGCTAAACTCAAAGGCTCTGT
GTCTCTCTTCTTGCCATCAGCTGGGACTTCTGCCCTCAGCCCTACCT
GATGCTAAAATAA

Fig. 10

MASLGQILFWSIISIIILAGAIALIIGGISGRHSITVTTVASAGNIGEDGILSCTFEPD
IKLSDIVIQWLKEGVGLVHEFKEGKDESEQDEMFRGRTAVFADQVIVGNASLR
LKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEA
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CMIENDIAKATGDIKVTESIKA
LK

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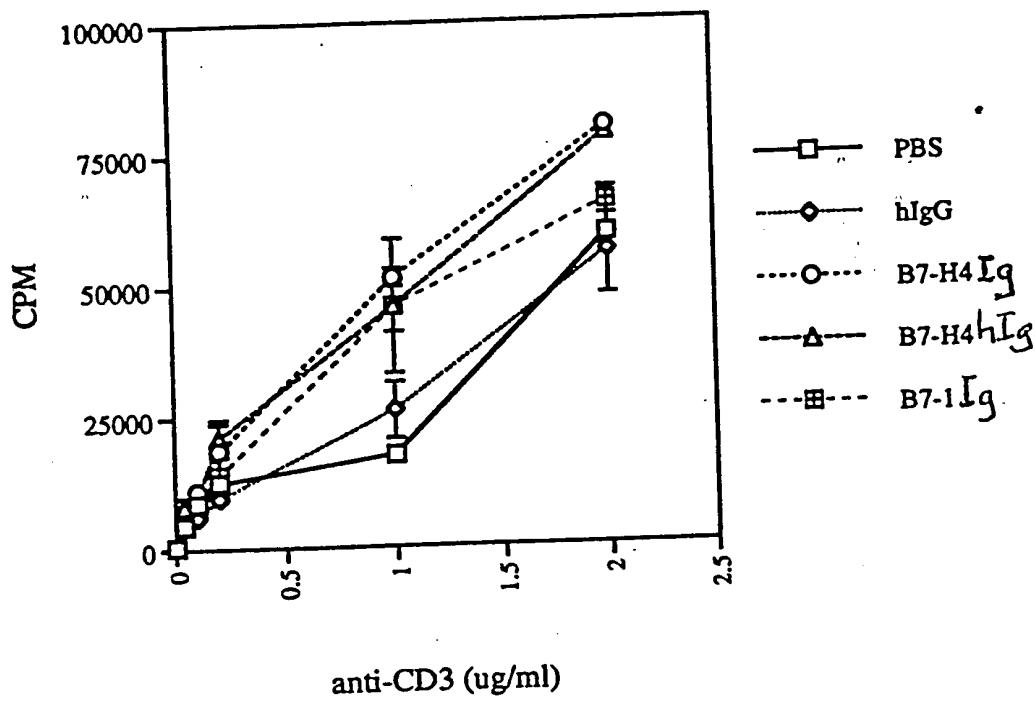


FIG. 12

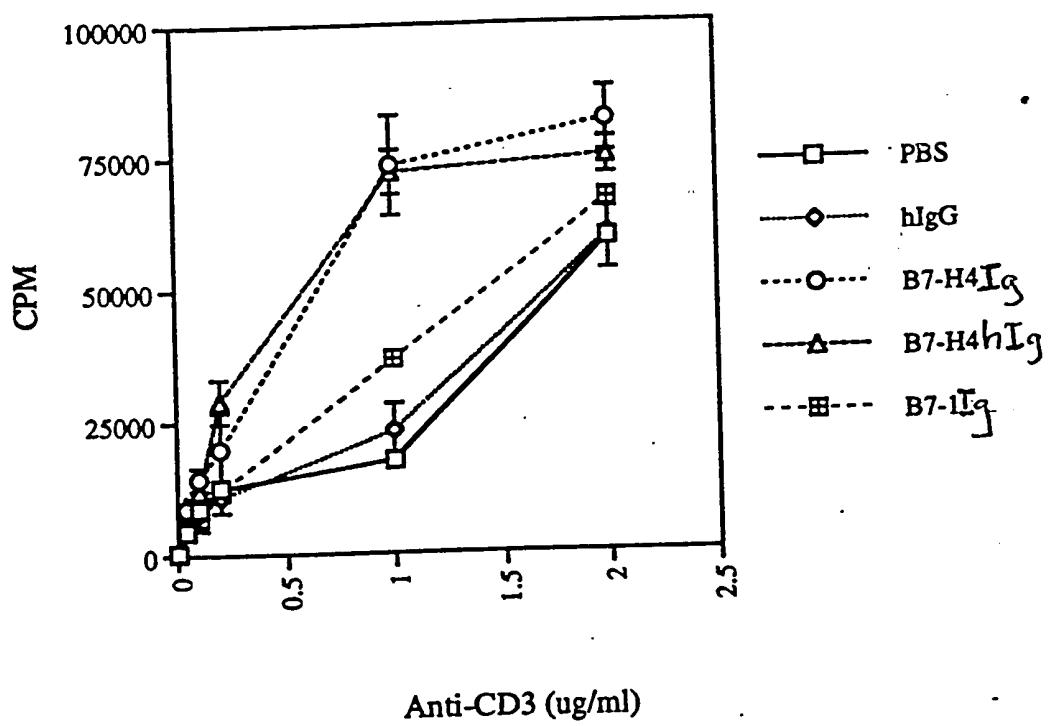


FIG. 13

Fig. 14

